

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P843368

Luminaire Tested: **LD4C15DE010B2750 EU4C15B30 4LBCSMW**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P843368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206301)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C15DE010B2750 EU4C15B30 4LBSCMW
Description: 4in Downlight with BioUp LEDs
Light Source: -
Ballast/Driver:

Summary

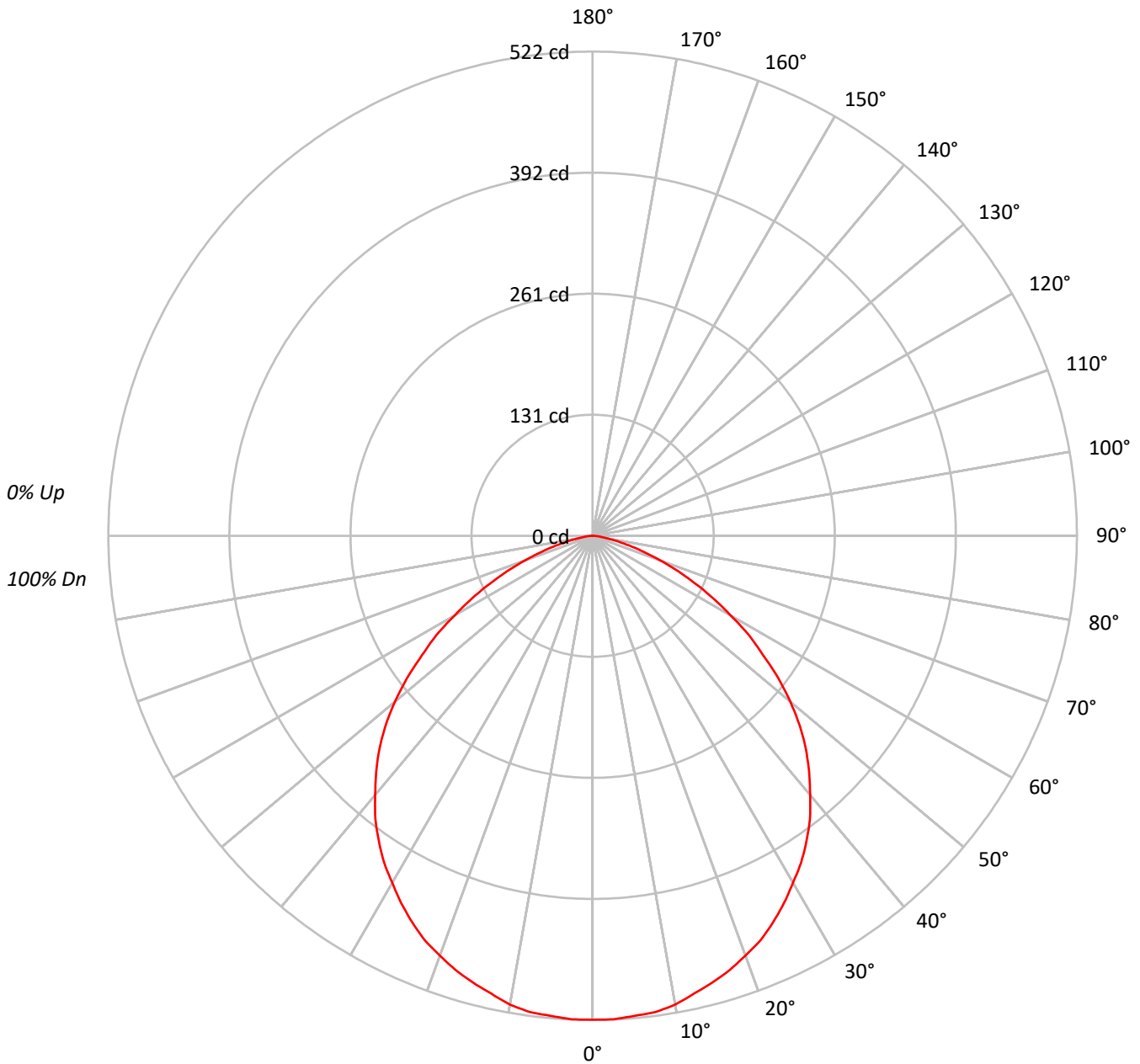
Lumens per Lamp: N/A
Luminaire Lumens: 1277.6 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			87
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74			74
3	93	83	75	70	90	81	74	69	79	73	68	76	71	67	73	69	65	63			63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55			55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48			48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	49	44	42			42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	50	44	39	37			37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33			33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30			30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27			27

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64105
5°	64066
10°	64034
15°	63428
20°	62963
25°	62355
30°	61283
35°	60276
40°	58488
45°	56501
50°	53152
55°	48064
60°	42237
65°	35552
70°	27802
75°	19461
80°	10966
85°	7612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	3.9
10°-20°	140.8	11.0
20°-30°	211.7	16.6
30°-40°	251.0	19.6
40°-50°	249.7	19.5
50°-60°	201.3	15.8
60°-70°	121.8	9.5
70°-80°	45.2	3.5
80°-90°	6.7	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	401.9	31.5
0°-40°	652.9	51.1
0°-60°	1104.0	86.4
0°-90°	1277.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1277.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	522	
5°	520	49
15°	499	141
25°	460	212
35°	402	251
45°	325	250
55°	224	201
65°	122	122
75°	41	45
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	521.8
2.5°	521.8
5°	519.5
7.5°	517.9
10°	513.3
12.5°	505.5
15°	498.7
17.5°	491.0
20°	481.6
22.5°	472.3
25°	460.0
27.5°	446.6
30°	432.0
32.5°	418.1
35°	401.9
37.5°	384.8
40°	364.7
42.5°	345.3
45°	325.2
47.5°	302.7
50°	278.1
52.5°	252.4
55°	224.4
57.5°	199.8
60°	171.9
62.5°	147.1
65°	122.3
67.5°	99.1
70°	77.4
72.5°	58.1
75°	41.0
77.5°	26.3
80°	15.5
82.5°	9.3
85°	5.4
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)